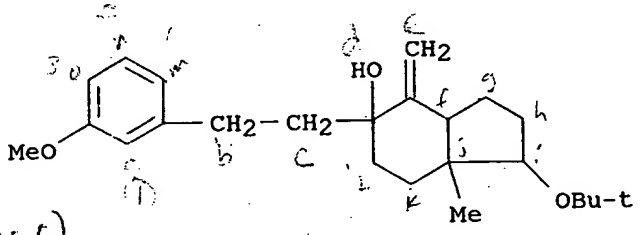
05213
0197

Cohen

09/243,158

L4 ANSWER 2 OF 2 CA COPYRIGHT 2000 ACS
AN 82:140369 CA
TI Novel total syntheses of (+)-estrone 3-methyl ether, (+)-13.beta.-ethyl-3-methoxygona-1,3,5(10)-trien-17-one, and (+)-equilenin 3-methyl ether
AU Cohen, Noal; Banner, Bruce L.; Eichel, Wayne F.; Parrish, David R.; Saucy, Gabriel; Cassal, Jean M.; Meier, Werner; Fuerst, Andor
CS Chem. Res. Dep., Hoffmann-La Roche Inc., Nutley, N. J., USA
SO J. Org. Chem. (1975), 40(6), 681-5
CODEN: JOCEAH
DT Journal
LA English
IT **53684-32-5P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 53684-32-5 CA
CN 1H-Inden-5-ol, 1-(1,1-dimethylethoxy)octahydro-5-[2-(3-methoxyphenyl)ethyl]-7a-methyl-4-methylene- (9CI) (CA INDEX NAME)



102(b)
29

103
39

A), B), or C)

$R_a = R_1 \rightarrow H$

$R_b = R_1 \rightarrow H$

$R_c = R_1 \rightarrow H$

$R_d = OR_1 \rightarrow R_1 = H$

$R_e = R_1 \rightarrow$ alkenyl $\rightarrow = CH_2$

$R_f = R_1 \rightarrow H$

$R_g = R_1 \rightarrow H$

$R_h = R_1 \rightarrow H$

$R_i = OR_1 \rightarrow R_1 \rightarrow$ alkyl $\rightarrow$ Bu-t

$R_j = R_1 \rightarrow$ alkyl $\rightarrow$ Me

$R_k = R_1 \rightarrow H$

$R_l = R_1 \rightarrow H$

$R_m = R_1 \rightarrow H$

$R_n = R_1 \rightarrow H$

$R_o = R_1 \rightarrow H$

$Z = COR_1 \rightarrow R_1 \rightarrow$ alkyl $\rightarrow$ Me